

Sustainability and Resiliency Policy



History of Sustainability at HART

- Sustainability provisions in construction contracts
- American Public Transit Association (APTA) Commitment (2014)
- Sustainability board briefing (2015)
- City Charter Amendments (2016)
- Chicago Climate Charter (2017)
- Ongoing coordination and project implementation



Honolulu City Charter §2-102:

All city powers shall be used in a sustainable manner and promote stewardship of natural resources for present and future generations.

Sustainability Policy Intent

- Formally express agency commitment to sustainability and resiliency
 - Acknowledges obligations under the City Charter
 - Reinforces existing commitments from the Record of Decision and Section 106 Programmatic Agreement
- Provides explicit policy direction
 - Link efforts in construction, core systems, and planning under a single program
 - Aligns HART with operational line agencies, including:
 - Department of Transportation Services
 - Office of Climate Change, Sustainability, and Resiliency
 - Other community partners

Peer Benchmarks



Seattle

- Adopted environmental policy in 2004
- Established Sustainability Initiative in 2007
- Leadership in Energy and Environmental Design certification for Angle Lake Station



Los Angeles

- Energy and Sustainability Policy for controlling energy consumption and embracing energy efficiency since 2007
- Green construction policy saves over \$400,000 in social costs each year (air quality)



Philadelphia

- Sustainability linked into strategic plan
- Energy recovery systems since 2012
- Goal to reduce greenhouse emissions by 20% by 2020
- Climate adaptation plan



Washington DC

- Goal of 30% of electricity from renewable resources by 2025 (25% on-site)
- Sustainability Lab used to innovate and pilot high-return initiatives; already saving \$1.2M over 5 years

Sustainability Practices

- Best practices – construction sustainability
 - Waste management
 - Water resource protection
 - Tree relocation
- Design for sustainable transportation future
 - Renewable energy and electric vehicle integration
 - Connectivity for pedestrians, cyclists, and transit riders
- Partner and innovate
 - Energy and sustainability community
 - Educational partnerships



Sustainability and Resiliency Policy (Draft)

The Honolulu Authority for Rapid Transportation (HART) is committed to developing a sustainable and resilient rapid transit system that meets the mobility needs of present and future generations while fostering the environmental, economic and social well-being of residents and visitors on the island of Oahu.



Draft Policy Goals

Recognizing its responsibility as the agency building the largest public works project in the history of the State of Hawaii, HART is committed to leadership in sustainable mobility by working towards the following goals:

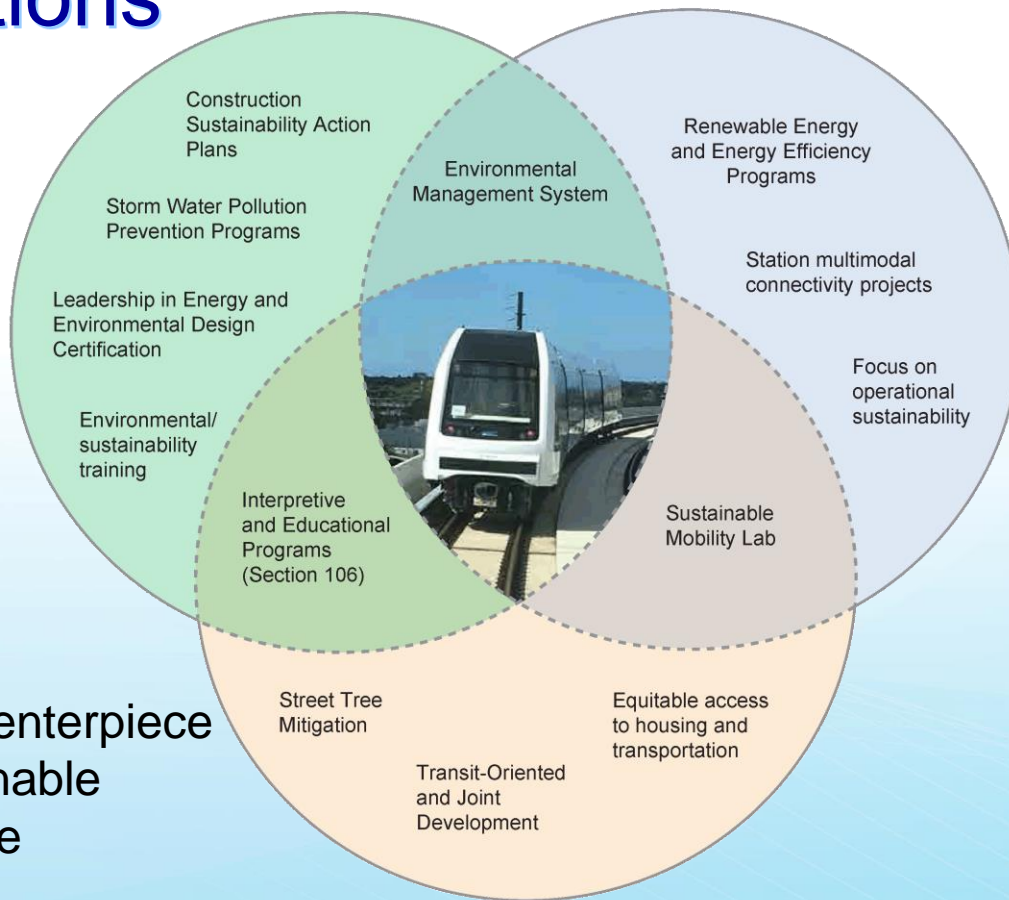
Excel in Environmental Compliance	Safeguard rail investment through sustainability	Deliver the centerpiece of our sustainable mobility future
Meet or exceed compliance with all environmental laws, regulations, and mitigation commitments.	Provide the best value to the community by developing the most sustainable and resilient rail transit system possible within our means.	Integrate our transit project into livable communities and connect our natural, human, and cultural resources.

Staff Actions

Excel in
Environmental
Compliance

Deliver the centerpiece
of our sustainable
mobility future

Safeguard rail
investment through
sustainability

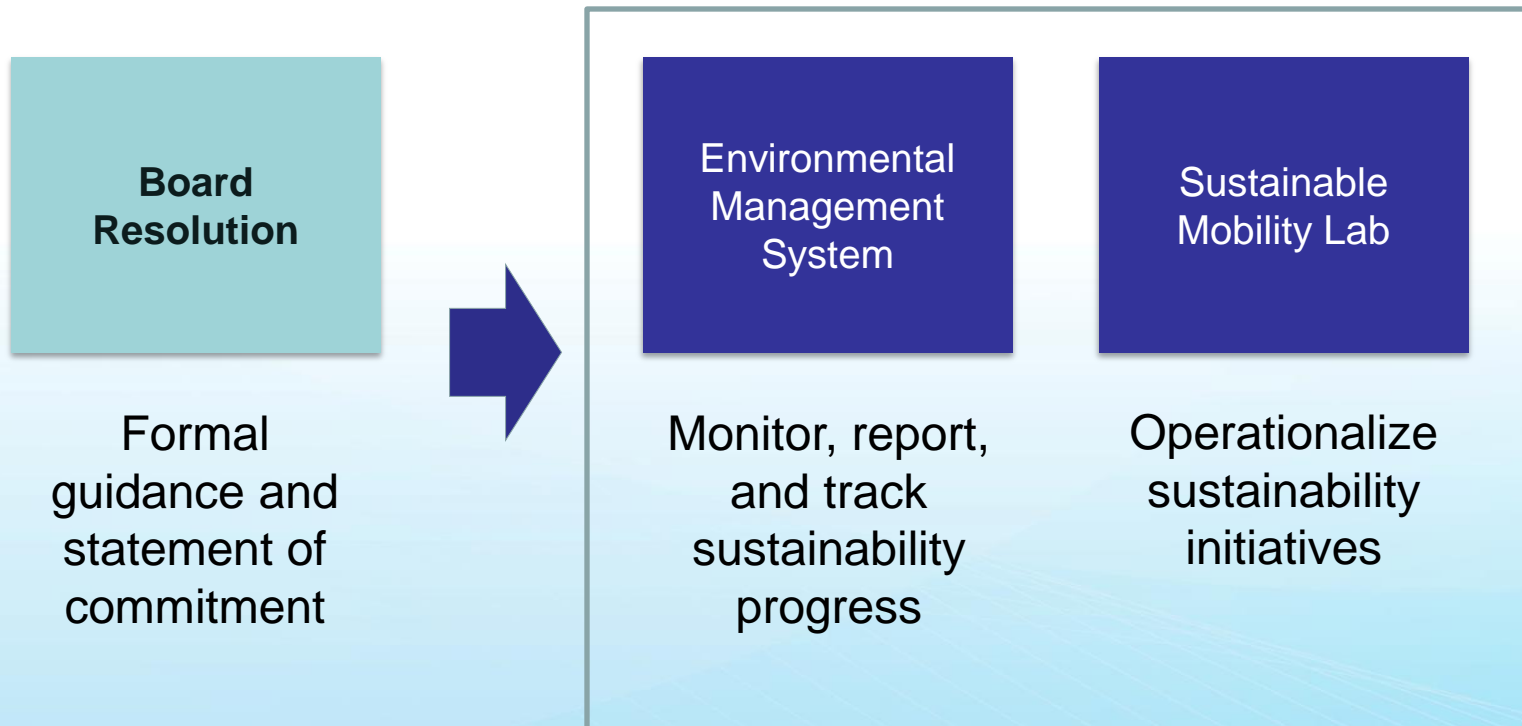


Draft Policy (cont'd)

HART is also committed to integrating and advancing the values of environmental stewardship, sustainable mobility, and resiliency as an organization, employer and member of the community.



Implementation Systems and Processes



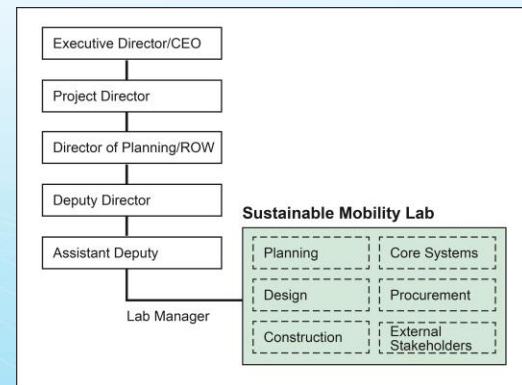
Tools: Environmental Management System

An EMS is a set of processes and practices that enable organizations to reduce their environmental impacts and increase operating efficiency.

- Formal recognition of environmental aspects, raise employee awareness, and demonstrate commitment
- Typically based on International Standards Organization (ISO)14001 standards - “Plan, Do, Check, Act”
- HART already implements most elements of an EMS via the Quality Management Plan, but lacks a formal environmental policy statement

Tools: Sustainable Mobility Lab

- Interdisciplinary teams would use workshops processes to develop/prototype solutions for addressing sustainability and resiliency challenges
- Create physical spaces to promote collaboration and information exchange which are enabled by visualization resources and project tracking resources
- Example: Renewable Energy and Energy Efficiency Technologies and Strategies Request for Information (RFI-HRT-1800689)
 - Solicit industry feedback in different areas: Energy Production, Energy Storage/Distribution, Energy Efficiency, and Resilience
 - May be used in a future solicitation for implementation



Conclusion

- A sustainable mobility policy is consistent with our existing agency obligations and mission.
- Leadership on sustainability and demonstration of the long term taxpayer and community benefits represent a significant opportunity for HART.



Mahalo!



H O N O L U L U R A I L T R A N S I T P R O J E C T
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HART
HONOLULU AUTHORITY FOR RAPID TRANSPORTATION